

A riparian zone will be established between the edge of water and the top the bank where practicable. A berm will be established from the top of the bank for a distance of 2 ½ times the bottom width of the stream or 100 feet, whichever is greater. Bare or sparsely vegetated areas in these zones will be planted with a mixture of trees and shrubs selected from the table below. Trees and shrubs will be interspersed on an 8 foot by 8 foot grid (each plant or plant group will occupy 64 square feet). Plant zones shown in the table are defined as follows:

Plant Zone #1 is below the level of the normal waterline to the upper limit of the saturated area kept moist by capillary water movement. This zone includes the greatest potential for periodic inundation and the least moisture stress.

Plant Zone #2 is from the upper limit of zone #1 to 2-3 feet from the top of the bank. This area may be subject to rapid drying and greater moisture stress.

Plant Zone #3 is an area from 2-3 feet below the top of the bank to a minimum of 30 feet into the flood plain.

<u>Plant Zone</u>	<u>Common Name</u>	<u>Species</u>	<u>Note</u>
1	White Willow	Salix Alba	a
1	Black Willow	Salix Nigra	a
1	Sandbar Willow	Salix Interior	a
1	Carolina Willow	Salix Caroliniana	a
1	Peach Leaved Willow	Salix Amygdaloides	a
1,2,3	Flowering Dogwood	Cornus Florida	
1,2,3	Green Ash	Fraxinus Pennsylvanica	
1,2,3	Sycamore	Plantanus Occidentalis	a
1,2,3	Bald Cypress	Taxodium Distichum	
1,2	River Birch	Betula Nigra	
1,2,3	Eastern Cottonwood	Populus Deltoides	a
1,2,3	Swamp Cottonwood	Populus Heterophylla	a

Shrubs provide a viable understory for restored areas. Additionally, they provide browse and cover for wildlife and help prevent erosion. Shrub species will be randomly interspersed among tree species. They will be chosen from the following list and planted in groups of three.

<u>Plant Zone</u>	<u>Common Name</u>	<u>Species</u>	<u>Note</u>
1	Bankers Willow	Salix Cottettii	a
1	Purple-osier Willow	Salix Purpurea	a
1	Buttonbush	Cephalanthis Occidetalis	a
1,2,3	Silky Dogwood	Cornus Amomum	
1,2,3	Red-OSier Dogwood	Cornus Stolonifera	a

- a. Indicates species suitable for use as dormant wood cuttings, stakes or posts if desired. All species of willow and cottonwood do not require hormone treatment